

5. (Amended) The solid electrolyte cell as claimed in Claim 1, wherein said collector first-side exposed portion of said positive electrode has a collector both-side exposed portion where the first and second sides of the strip positive electrode collector are exposed, and

wherein said collector first-side exposed portion of said negative electrode has a collector both-side exposed portion where the first and second sides of the strip negative electrode collector are exposed,

said positive electrode collector both-side exposed portion and said negative electrode collector both-side exposed portion, sandwiching the solid electrolyte layer, covering the outer circumference of said rolled electrode body by one turn one more.

REMARKS

Claims 1-5 are pending in the present application. In the Office Action of April 23, 2002, the Examiner made the following disposition:

- A.) Objected to the Title of the Invention.
- B.) Objected to claims 1-5 for informalities.
- C.) Rejected claims 1-5 under 35 U.S.C. §112, second paragraph.
- D.) Rejected claims 1-5 under 35 U.S.C. §102(b) as being unpatentable over *Yde-Andersen*.
- E.) Rejected claims 1-3 and 5 35 U.S.C. §102(b) as being unpatentable over *Segawa et al.*

Applicant respectfully traverses the rejections and addresses the Examiner's disposition as follows:

A.) Objection to the Title of the Invention:

The Title of the Invention has been amended as per the Examiner's request to overcome the objection. Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached page is captioned **"VERSION WITH MARKING TO SHOW CHANGES MADE."**

Applicant submits that the objection has been overcome and requests that it be withdrawn.

B.) Objection to claims 1-5 for informalities:

Claim 1 has been amended as per the Examiner's request to overcome the objection. Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned **"VERSION WITH MARKING TO SHOW CHANGES MADE."**

Applicant submits that the objection has been overcome and requests that it be withdrawn.

C.) Rejection of claims 1-5 under 35 U.S.C. §112, second paragraph:

Claims 1, 2, 3, 4, and 5 have been amended as per the Examiner's request to overcome the rejection.

Applicant respectfully submits that the rejection has been overcome and requests that it be withdrawn.

D.) Rejection of claims 1-5 under 35 U.S.C. §102(b) as being unpatentable over Yde-Andersen:

Applicant respectfully disagrees with the rejection.

Applicants' independent claim 1 claims a solid electrolyte cell comprising a rolled electrode body and a multi-layered cell casing film covering the rolled electrode body. Referring to Applicant's Fig. 1 for illustrative purposes, Applicant discloses a solid electrolyte cell 1

having a multi-layered cell casing 6. As described in Applicant's specification, the multi-layered cell casing is, for example, a damp-proof insulating multi-layered film having a polyethylene terephthalate layer, an aluminum layer, a polyethylene terephthalate layer, and a strait chain low density polyethylene layer which are layered in this order. As also described in the specification, Applicant's multi-layered cell casing is not limited to these illustrative layers.

This is clearly unlike *Yde-Andersen*, which fails to disclose a multi-layered cell casing. *Yde-Andersen* discloses a an insulating cover film, which covers its cell. Unlike Applicant's claimed multi-layered cell casing, however, *Yde-Andersen's* cell casing is merely single layered. As described in *Yde-Andersen*, *Yde-Andersen's* cell casing is "preferably a polymer film, most preferably a polyolefin film". (Page 10, lines 1-2).

Thus, *Yde-Andersen* fails to anticipate Applicant's claim 1 for at least the reason that *Yde-Andersen* fails to disclose or even suggest a multi-layered cell casing.

Claims 2-5 depend directly or indirectly from claim 1 and are therefore allowable for at least the same reasons that claim 1 is allowable.

Applicant respectfully submits that the rejection has been overcome and requests that it be withdrawn.

E.) Rejection of claims 1-3 and 5 under 35 U.S.C. §102(b) as being unpatentable over *Segawa et al.*:

Applicant respectfully disagrees with the rejection.

Applicant's independent claim 1 is described above.

Unlike Applicant's claim 1, *Segawa et al.* fails to disclose a multi-layered cell casing. *Segawa et al.* discloses a nonaqueous electrolyte battery having a battery can 6. *Segawa et al.'s*

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battery can is clearly unlike Applicant's multi-layered cell casing. *Segawa et al.*'s battery can 6 is not multi-layered -- *Segawa et al.*'s battery can 6 is merely single-layered. Therefore, for at least this reason, *Segawa et al.* could not disclose or even suggest Applicant's claim 1.


Claims 2, 3, and 5 depend directly or indirectly from claim 1 and are therefore allowable for at least the same reasons that claim 1 is allowable.

Applicant respectfully submits that the rejection has been overcome and requests that it be withdrawn.

Conclusion

In view of the foregoing discussion and analysis, Applicants respectfully submit that claims 1-5 as now presented, are in a condition for allowance, which action is earnestly solicited.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification:

Please replace the Title of the Invention with the following replacement Title of the Invention:

--SOLID ELECTROLYTE CELL HAVING A ROLLED ELECTROLYTE BODY--

In the Claims:

Please amend claims 1, 2, 3, 4, and 5 as follows:

1. (Amended) A solid electrolyte cell comprising:

a rolled electrode body [consisting of] having:

a positive electrode having a strip positive electrode collector [whose both] having
a first side and a second side opposite the first side, the first and second sides of the strip positive
electrode collector are coated with a positive electrode active material layer, and

a negative electrode having a strip negative electrode collector [whose both]
having a first side and a second side opposite the first side, the first and second sides of the strip
negative electrode collector are coated with a negative electrode active material layer, which
positive electrode and negative electrode are layered via a solid electrolyte layer and rolled in [the
longitudinal] a lengthwise direction,

wherein said [rolled] positive and negative electrodes each have a collector [one-
side] first-side exposed portion at their one end in [the longitudinal] a lengthwise direction [to
be] positioned at [the] an outermost circumference of the rolled electrode body, where at least the
first side of the strip positive electrode collector and at least the first side of the strip negative
electrode collector are exposed, and the collector [one-side] first-side exposed portion of the

positive electrode covers the outer circumference of said rolled electrode body by one turn [one] or more; and

a multi-layered cell casing film covering the rolled electrode body.

2. (Amended) The solid electrolyte cell as claimed in Claim 1, wherein said solid electrolyte layer contains a swelling solvent and is a gel [gelled].

3. (Amended) The solid electrolyte cell as claimed in Claim 1, wherein said collector [one-side] first-side exposed portion of said positive electrode has a collector both-side exposed portion where [both] the first and second sides of the strip positive electrode collector are exposed,

wherein said collector first-side exposed portion of said negative electrode has a collector both-side exposed portion where the first and second sides of the strip negative electrode collector are exposed, and

wherein said collector both-side exposed portion of said positive electrode covers [the] an outer circumference of said collector [one-side] first-side exposed portion of said positive electrode of said rolled electrode body by one turn or more.

4. (Amended) The solid electrolyte cell as claimed in Claim 1, [wherein said rolled electrodes have a collector one-side exposed portion at one end in the longitudinal direction of the electrodes to be positioned at the innermost circumference and said collector one-side exposed portion covers the inner circumference of said rolled electrode body by one turn or more] wherein said positive electrode has a collector inner first-side exposed portion at an end of the positive electrode opposite the collector first-side exposed portion in the lengthwise direction of the positive electrode, the collector inner first-side exposed portion of the positive electrode being at an innermost circumference of the of the rolled electrode body, and

wherein the negative electrode has a collector inner first-side exposed portion at an end of the negative electrode opposite the first-side exposed portion in the lengthwise direction of the negative electrode, the collector inner first-side exposed portion of the negative electrode being at

an innermost circumference of the rolled electrode body, the collector first-side exposed portions of the positive and negative electrodes covering the inner circumference of the rolled electrode body by one turn or more.

5. (Amended) The solid electrolyte cell as claimed in Claim 1, [wherein said positive electrode has a positive electrode collector both-side exposed portion at one end in the longitudinal direction,

said negative electrode having a negative electrode collector both-side exposed portion at one end in the longitudinal direction, and]

wherein said collector first-side exposed portion of said positive electrode has a collector both-side exposed portion where the first and second sides of the strip positive electrode collector are exposed, and

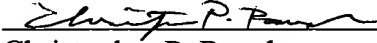
wherein said collector first-side exposed portion of said negative electrode has a collector both-side exposed portion where the first and second sides of the strip negative electrode collector are exposed,

said positive electrode collector both-side exposed portion and said negative electrode collector both-side exposed portion, sandwiching the solid electrolyte layer, covering the outer circumference of said rolled electrode body by one turn one more.

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited as First Class Mail in an envelope addressed to Asst. Commissioner for Patents, Washington, D.C. 20231 on September 23, 2002.

 (Reg. No. 45,034)
Christopher P. Rauch